Use of Connectors and Brackets







HOME BUILDER'S GUIDE TO COASTAL CONSTRUCTION FEMA 499/August 2005

Technical Fact Sheet No. 17

Purpose: To highlight important building connections and illustrate the proper use of various types of connection hardware.

Never rely on toenailing for uplift connections in high-wind areas

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Kev Issues

- In high-wind regions, special hardware is used for most framing connections.

 Toe-nailing is not an acceptable method for resisting uplift loads in high-wind regions.
- · Hardware must be installed according to the manufacturer's or engineer's specifications.
- The correct number of the specified fasteners (length and diameter) must be used with connection hardware.
- · Avoid cross-grain tension in connections.
- Metal hardware must be adequately protected from corrosion (see NFIP Technical Bulletin 8-96).
- · Connections must provide a continuous load path (see Fact Sheet No. 10).







